Assets for Value

an innovative opportunity to reuse and recycle materials, reduce costs, and be stewards of a green environment

Lawrence Livermore National Laboratory (LLNL) continues to look for ways to reduce operating costs and support environmental stewardship. The Space Action Team (SAT) implements an innovative strategy called Assets for Value, which provides a contractual mechanism to convert the value of equipment or building materials into an offset against payment for contracted demolition work.

A win–win scenario, Assets for Value connects professional salvage contractors with those who possess surplus materials. By offering contractors an option for salvaging materials, there is a reduction in the net cost per square foot of demolition. Equipment identified as Assets for Value offers a higher cash return versus comparable materials sold as salvage by weight/volume.

Assets for Value lowers facility operating costs, reduces D&D contracting costs, eliminates waste streams, increases reuse of materials and material recycling, and provides an incentive for environmental stewardship. Up to 90% of materials from some D&D projects at the Laboratory have been recycled.

The Assets for Value strategy opens the door for extended demolition work possible for the Department of Energy and National Nuclear Security Administration projects and offers opportunities and superior performance for LLNL's institutional clients as facilities evolve through their life cycle.

Highlights

- Cost reductions range from 20–43%; other projects received substantial cost offsets greater than scrap value.
- Recycled 26,660 tons of concrete = road base for an approximate 6-mile-long 2-lane road.
- Recycled (reused) 3,776 tons of metal/equipment = 2,517 full-size automobiles.
- Released surplus/excess glassware and scientific tools to support California schools.
- Recycled ~42,000 gal of transformer oils to convert to fuel.
- Combined multiple low-value projects into one contract to obtain successful payback.

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